DEPARTMENT OF THE INTERIOR MONTANA GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) 106°07'30" 45°45' 26 27 42'30" 32 33 34 35 21 22 36 45°37′30″ 106°07′30″ (WILLOW CROSSING) 12'30" R. 44 E. R. 45 E. 106°15′ SCALE 1:24 000 Compiled in 1977 Base map from U.S. Geological Survey, 1966 1 KILOMETER 0°51′ 15 MILS UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

UNITED STATES

OPEN FILE REPORT 79-084 PLATE 33 OF 35

OPEN-FILE REPORT
This report has not been edited for conformity with
U.S. Geological Survey editorial standards or
stratigraphic nomenclature.

COOK CREEK RESERVOIR QUADRANGLE

EXPLANATION

OVERBURDEN ISOPACH—Showing thickness of overburden, in feet, from the surface to the top of the coal bed. The 100-foot isopach is omitted where it is too close to a mining-ratio contour for map readability. Isopach interval 100 feet (30.5 m).

BOUNDARY OF COAL 5 FEET OR MORE THICK—Drawn along the outcrop of coal bed and/or the inferred contact between burned and unburned coal, and/or the 5-foot coal isopach. Arrows point toward area of coal 5 feet or more thick

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DRILL HOLE—Showing thickness of overburden, in feet, from the surface to the top of the coal bed.

MINING-RATIO CONTOUR—Number indicates cubic yards of overburden per ton of recoverable coal by surface-mining methods. Contours shown only in areas suitable for surface mining within the stripping limit.

To convert feet to meters, multiply feet by 0.3048.

To convert  $yds^3/ton$  to  $m^3/metric$  ton, multiply  $yds^3/ton$  by 0.842.

COAL RESOURCE OCCURRENCE MAP OF THE COOK CREEK RESERVOIR QUADRANGLE, POWDER RIVER AND ROSEBUD COUNTIES, MONTANA

BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1979

PLATE 33

OVERBURDEN ISOPACH AND MINING-RATIO
MAP OF THE TERRET COAL BED